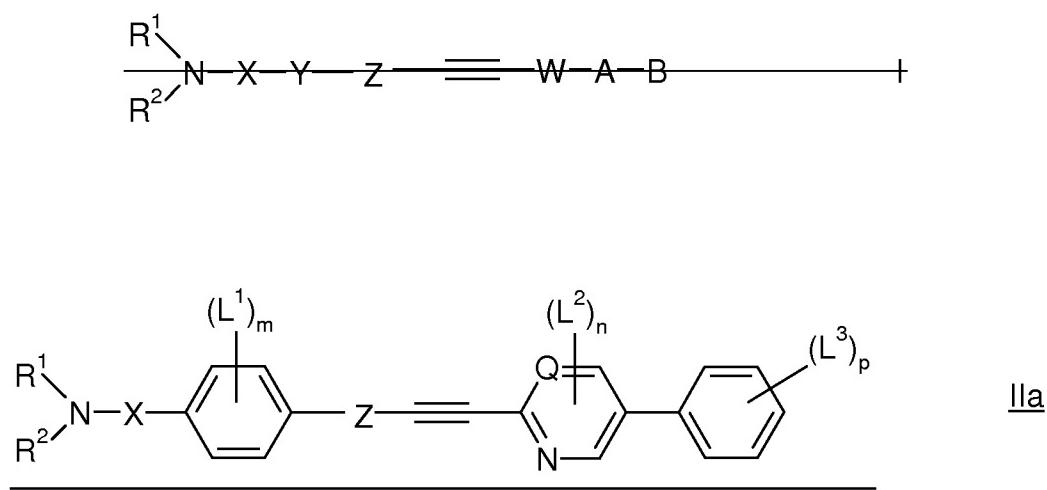


This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 – 21 (Canceled)

Claim 22 (Currently amended) An alkyne compound of formula I or formula IIa;



wherein

R^1 and R^2 together form an alkylene bridge in such a way that R^1R^2N- denotes a pyrrolidine group, wherein one or more H atoms are optionally replaced by R^{14} , and the alkylene bridge is optionally substituted by one or two identical or different carbo- or heterocyclic groups Cy in such a way that the bond between the alkylene bridge and the group Cy is formed

- via a single or double bond,
- via a common C atom forming a spirocyclic ring system,
- via two common, adjacent C and/or N atoms forming a fused bicyclic ring system or
- via three or more C and/or N atoms forming a bridged ring system,

X is a single bond or a C₁₋₆-alkylene bridge wherein

- a -CH₂- group is optionally replaced by -CH=CH- or -C≡C- and/or
- one or two -CH₂- groups are optionally replaced, independently of one another, by -O-, -S-, -(SO)-, -(SO₂)-, -CO- or -NR⁴⁻ in such a way that in each case two O, S or N atoms or an O and an S atom are not directly connected to one another, and/or
- two C atoms or one C and one N atom of the alkylene bridge are optionally joined together by an additional C₁₋₄-alkylene bridge, and/or
- a C atom is optionally substituted by R¹⁰⁻ and/or

-CH₂-CH₂-O- or -CH₂-CH₂-NR⁴⁻, wherein one or two C atoms in each case are optionally substituted with one or two identical or different substituents selected from C₁₋₆-alkyl,

C₂₋₆-alkenyl, C₂₋₆-alkynyl, C₃₋₇-cycloalkyl, C₃₋₇-cycloalkyl C₁₋₃-alkyl, C₄₋₇-cycloalkenyl and C₄₋₇-cycloalkenyl C₁₋₃-alkyl, while two alkyl and/or alkenyl substituents are optionally joined together, forming a carbocyclic ring system, and

W, Z independently of one another, are is a single bond or a C₁₋₄-alkylene bridge, wherein:

- a -CH₂- group not adjacent to the -C≡C- group is optionally replaced by -O- or -NR⁵⁻,
- two adjacent C atoms or one C atom and an adjacent N atom are optionally joined together by an additional C₁₋₄-alkylene bridge, and/or
- in the alkylene bridge and/or in the additional alkylene bridge a C atom is optionally substituted by R¹⁰⁻ and/or one or two C atoms independently of one another are optionally substituted by one or two identical or different C₁₋₆-alkyl groups, while two alkyl groups are optionally joined together, forming a carbocyclic ring, and

~~Y~~ — is a phenyl ring which is optionally mono- or polysubstituted with R^{20} , and optionally additionally monosubstituted with nitro,

~~A~~ — is a pyridine ring which is optionally mono- or polysubstituted with R^{20} , and

~~B~~ — has one of the meanings given for Cy or is C_{1-6} -alkyl, C_{4-6} -alkenyl, C_{4-6} -alkynyl, C_{3-7} -cycloalkyl, C_{4-7} -alkyl, C_{3-7} -cycloalkenyl, C_{4-7} -alkyl, C_{3-7} -cycloalkyl, C_{4-7} -alkenyl or C_{3-7} -cycloalkyl, C_{4-7} -alkynyl, wherein one or more C atoms are optionally mono- or polysubstituted by halogen and/or optionally monosubstituted by hydroxy or cyano and/or cyclic groups are optionally mono- or polysubstituted by R^{20} ,

wherein

~~Cy~~ — denotes a carbo- or heterocyclic group selected from one of the following:

- a saturated 3 to 7 membered carbocyclic group,
- an unsaturated 4 to 7 membered carbocyclic group,
- a phenyl group,
- a saturated 4 to 7 membered or unsaturated 5 to 7 membered heterocyclic group with an N, O or S atom as heteroatom,
- a saturated or unsaturated 5 to 7 membered heterocyclic group with two or more N atoms or with one or two N atoms and an O or S atom as heteroatoms,
- an aromatic heterocyclic 5 or 6 membered group with one or more identical or different heteroatoms selected from N, O and/or S,

wherein the above mentioned 4, 5, 6 or 7 membered groups are optionally attached via two common, adjacent C atoms fused to a phenyl or pyridine ring, and

wherein, in the above mentioned 5, 6 or 7 membered groups, one or two non-adjacent CH_2 groups are optionally replaced, independently of one another, by a $-CO-$, $C(=CH_2)-$, $(SO)-$ or $(SO_2)-$ group, and

wherein the above mentioned saturated 6 or 7 membered groups are optionally present as bridged ring systems with an imino, $(C_{1-4}$ -alkyl) imino, methylene, $(C_{1-4}$ -alkyl) methylene or di- $(C_{1-4}$ -alkyl) methylene bridge, and

~~wherein the above mentioned cyclic groups are optionally mono- or polysubstituted at one or more C atoms with R²⁰, and, in the case of a phenyl group, they are optionally additionally monosubstituted with nitro, and/or one or more NH groups are optionally substituted with R²¹,~~

R⁴ is H or C₁₋₄-alkyl, R⁵—~~independently of one another have one of the meanings given for R¹⁷,~~

R¹⁰—~~denotes hydroxy, ω-hydroxy C₁₋₃-alkyl, C₁₋₄-alkoxy, ω-(C₁₋₄-alkoxy) C₁₋₃-alkyl, carboxy, C₁₋₄-alkoxycarbonyl, amino, C₁₋₄-alkyl amino, di (C₁₋₄-alkyl)-amino, cyclo C₃₋₆-alkyleneimino, amino C₁₋₃-alkyl, C₁₋₄-alkyl amino C₁₋₃-alkyl, di (C₁₋₄-alkyl)-amino C₁₋₃-alkyl, cyclo C₃₋₆-alkyleneimino C₁₋₃-alkyl, amino C₂₋₃-alkoxy, C₁₋₄-alkyl amino C₂₋₃-alkoxy, di (C₁₋₄-alkyl)-amino C₂₋₃-alkoxy, cyclo C₃₋₆-alkyleneimino C₂₋₃-alkoxy, aminocarbonyl, C₁₋₄-alkyl aminocarbonyl, di (C₁₋₄-alkyl)-aminocarbonyl, or cyclo C₃₋₆-alkyleneimino carbonyl,~~

R¹⁴ denotes C₁₋₄-alkyl, C₂₋₄-alkenyl, C₂₋₄-alkynyl, C₃₋₇-cycloalkyl, C₃₋₇-cycloalkyl-C₁₋₃-alkyl, hydroxy, ω-hydroxy-C₁₋₃-alkyl, C₁₋₄-alkoxy, ω-(C₁₋₄-alkoxy)-C₁₋₃-alkyl, C₁₋₄-alkyl-carbonyl, carboxy, C₁₋₄-alkoxycarbonyl, hydroxy-carbonyl-C₁₋₃-alkyl, C₁₋₄-alkoxycarbonyl-C₁₋₃-alkyl, C₁₋₄-alkoxy-carbonylamino, C₁₋₄-alkoxy-carbonylamino-C₁₋₃-alkyl, amino, C₁₋₄-alkyl-amino, C₃₋₇-cycloalkyl-amino, N-(C₃₋₇-cycloalkyl)-N-(C₁₋₄-alkyl)-amino, di-(C₁₋₄-alkyl)-amino, amino-C₁₋₃-alkyl, C₁₋₄-alkyl-amino-C₁₋₃-alkyl, C₃₋₇-cycloalkyl-amino-C₁₋₃-alkyl, N-(C₃₋₇-cycloalkyl)-N-(C₁₋₄-alkyl)-amino-carbonyl, di-(C₁₋₄-alkyl)-amino-carbonyl, halogen, C₁₋₆-alkyl, C₂₋₆-alkenyl, C₂₋₆-alkynyl, R¹⁵-O-R¹⁵-O-CO-R¹⁵-CO-R¹⁵-CO-O, R¹⁶R¹⁷N, R¹⁸R¹⁹N-CO, R¹⁵-O-C₁₋₃-alkyl, R¹⁵-O-CO-C₁₋₃-alkyl, R¹⁵-O-CO-NH, R¹⁵-SO₂-NH, R¹⁵-O-CO-NH

$\text{C}_{1-3}\text{-alkyl}$, $\text{R}^{15}\text{-SO}_2\text{-NH-C}_{1-3}\text{-alkyl}$, $\text{R}^{15}\text{-CO-C}_{1-3}\text{-alkyl}$, $\text{R}^{15}\text{-CO-O-C}_{1-3}\text{-alkyl}$,
 $\text{R}^{16}\text{R}^{17}\text{N-C}_{1-3}\text{-alkyl}$, $\text{R}^{18}\text{R}^{19}\text{N-CO-C}_{1-3}\text{-alkyl}$ or $\text{Cy-C}_{1-3}\text{-alkyl}$,

R^{15} —denotes H , $\text{C}_{1-4}\text{-alkyl}$, $\text{C}_{3-7}\text{-cycloalkyl}$, $\text{C}_{3-7}\text{-cycloalkyl-C}_{1-3}\text{-alkyl}$, phenyl , $\text{phenyl-C}_{1-3}\text{-alkyl}$, pyridinyl or $\text{pyridinyl-C}_{1-3}\text{-alkyl}$,

R^{16} —denotes H , $\text{C}_{1-6}\text{-alkyl}$, $\text{C}_{3-7}\text{-cycloalkyl}$, $\text{C}_{3-7}\text{-cycloalkyl-C}_{1-3}\text{-alkyl}$, $\text{C}_{4-7}\text{-cycloalkenyl}$, $\text{C}_{4-7}\text{-cycloalkenyl-C}_{1-3}\text{-alkyl}$, ω hydroxy $\text{C}_{2-3}\text{-alkyl}$, ω ($\text{C}_{1-4}\text{-alkoxy}$)- $\text{C}_{2-3}\text{-alkyl}$, amino $\text{C}_{2-6}\text{-alkyl}$, $\text{C}_{1-4}\text{-alkyl}$ amino $\text{C}_{2-6}\text{-alkyl}$, di ($\text{C}_{1-4}\text{-alkyl}$) amino $\text{C}_{2-6}\text{-alkyl}$ or cyclo $\text{C}_{3-6}\text{-alkyleneimino-C}_{2-6}\text{-alkyl}$,

R^{17} —has one of the meanings given for R^{16} or denotes phenyl , $\text{phenyl-C}_{1-3}\text{-alkyl}$, pyridinyl , dioxolan-2-yl , CHO , $\text{C}_{1-4}\text{-alkylcarbonyl}$, carboxy , $\text{hydroxycarbonyl-C}_{1-3}\text{-alkyl}$, $\text{C}_{1-4}\text{-alkoxycarbonyl}$, $\text{C}_{1-4}\text{-alkoxycarbonyl-C}_{1-3}\text{-alkyl}$, $\text{C}_{1-4}\text{-alkylcarbonylamino-C}_{2-3}\text{-alkyl}$, $\text{N}(\text{C}_{1-4}\text{-alkylcarbonyl})\text{-N}(\text{C}_{1-4}\text{-alkyl})\text{-amino-C}_{2-3}\text{-alkyl}$, $\text{C}_{1-4}\text{-alkylsulphonyl}$, $\text{C}_{1-4}\text{-alkylsulphonylamino-C}_{2-3}\text{-alkyl}$ or $\text{N}(\text{C}_{1-4}\text{-alkylsulphonyl})\text{-N}(\text{C}_{1-4}\text{-alkyl})\text{-amino-C}_{2-3}\text{-alkyl}$,

$\text{R}^{18}, \text{R}^{19}$ —independently of one another are H or $\text{C}_{1-6}\text{-alkyl}$,

R^{20} —is halogen, hydroxy, cyano, $\text{C}_{1-6}\text{-alkyl}$, $\text{C}_{2-6}\text{-alkenyl}$, $\text{C}_{2-6}\text{-alkynyl}$, $\text{C}_{3-7}\text{-cycloalkyl}$, $\text{C}_{3-7}\text{-cycloalkyl-C}_{1-3}\text{-alkyl}$, hydroxy $\text{C}_{1-3}\text{-alkyl}$, $\text{R}^{22}\text{-C}_{1-3}\text{-alkyl}$ or has one of the meanings given for R^{22} ;

R^{21} —is $\text{C}_{1-4}\text{-alkyl}$, ω hydroxy $\text{C}_{2-6}\text{-alkyl}$, ω $\text{C}_{1-4}\text{-alkoxy-C}_{2-6}\text{-alkyl}$, ω $\text{C}_{1-4}\text{-alkyl}$ amino $\text{C}_{2-6}\text{-alkyl}$, ω di ($\text{C}_{1-4}\text{-alkyl}$) amino $\text{C}_{2-6}\text{-alkyl}$, ω cyclo $\text{C}_{3-6}\text{-alkyleneimino-C}_{2-6}\text{-alkyl}$, phenyl, $\text{phenyl-C}_{1-3}\text{-alkyl}$, $\text{C}_{1-4}\text{-alkyl}$ carbonyl, $\text{C}_{1-4}\text{-alkoxy-carbonyl}$, $\text{C}_{1-4}\text{-alkylsulphonyl}$, phenylcarbonyl or phenyl $\text{C}_{1-3}\text{-alkyl}$ carbonyl, and

R^{22} —is pyridinyl, phenyl, $\text{phenyl-C}_{1-3}\text{-alkoxy}$, OHC , HO-N=HC ,

~~C₁₋₄-alkoxy N=HC, C₁₋₄-alkoxy, C₁₋₄-alkylthio, carboxy, C₁₋₄-alkylcarbonyl, C₁₋₄-alkoxycarbonyl, aminocarbonyl, C₁₋₄-alkylaminocarbonyl, di-(C₁₋₄-alkyl) aminocarbonyl, cyclo-C₃₋₆-alkyl amino carbonyl, cyclo-C₃₋₆-alkyleneimino carbonyl, cyclo-C₃₋₆-alkyleneimino-C₂₋₄-alkyl aminocarbonyl, C₁₋₄-alkyl sulphonyl, C₁₋₄-alkyl sulphinyl, C₁₋₄-alkyl sulphonylamino, amino, C₁₋₄-alkylamino, di-(C₁₋₄-alkyl) amino, C₁₋₄-alkyl carbonyl amino, cyclo-C₃₋₆-alkyleneimino, phenyl C₁₋₃-alkylamino, N-(C₁₋₄-alkyl) phenyl C₁₋₃-alkylamino, acetylamino, propionylamino, phenylcarbonyl, phenylcarbonylamino, phenylcarbonylmethylamino, hydroxy C₂₋₃-alkylaminocarbonyl, (4-morpholinyl)carbonyl, (1-pyrrolidinyl)carbonyl, (1-piperidinyl)carbonyl, (hexahydro-1-azepinyl)carbonyl, (4-methyl-1-piperazinyl)carbonyl, methylenedioxy, or aminocarbonylamino,~~

Q is CH,

L¹, L², and L³, independently of one another are F, Cl, Br, I, OH, cyano, C₁₋₄-alkyl, C₂₋₄-alkynyl, C₁₋₄-alkoxy, difluoromethyl, trifluoromethyl, amino, C₁₋₄-alkylamino, di-(C₁₋₄-alkyl)-amino, acetylamino, aminocarbonyl, difluoromethoxy, trifluoromethoxy, amino-C₁₋₃-alkyl, C₁₋₄-alkylamino-C₁₋₃-alkyl or di-(C₁₋₄-alkyl)-amino-C₁₋₃-alkyl or nitro,

m, n, and p, independently of one another represent the values 0, 1 or 2, and p may also have the value 3,

while in the above-mentioned groups W, X, Z, R¹, R², R⁴ to R⁵ and R¹⁰ and R¹⁴ to R²² one or more C atoms are optionally additionally mono- or polysubstituted by F and/or one or two C atoms, independently of one another, are optionally additionally monosubstituted by Cl or Br, and/or one or more phenyl rings, independently of one another, optionally additionally have one, two or three substituents selected from among F, Cl, Br, I, cyano, C₁₋₄-alkyl, C₁₋₄-alkoxy, difluoromethyl, trifluoromethyl, hydroxy, amino, C₁₋₃-alkylamino, di-(C₁₋₃-alkyl)-amino, acetylamino, aminocarbonyl, difluoromethoxy, trifluoromethoxy, amino C₁₋₃-alkyl,

~~C₁₋₃-alkylamino C₁₋₃-alkyl and di (C₁₋₃-alkyl) amino C₁₋₃-alkyl and/or are optionally monosubstituted by nitro,~~

or a tautomer, a diastereomer, an enantiomer, a mixture thereof or a salt thereof.

Claim 23 -- Claim 29. (Canceled)

Claim 30 (Previously presented) An alkyne compound according to claim 22, which is in a physiologically acceptable salt form.

Claim 31 (Currently Amended) A composition comprising ~~at least one~~ an alkyne compound according to claim 22, together with one or more inert carriers and/or diluents.

Claim 32 (Withdrawn - Currently Amended) A method for influencing the eating behavior of a mammal to reduce body weight or prevent an increase in the body weight comprising administering thereto an effective amount of one or more alkyne compounds according to claim 22.

Claim 33 – Claim 34. (Canceled)

Claim 35 (Withdrawn - Currently Amended) A method for treating a urinary problem selected from the group consisting of urinary incontinence, overactive bladder, urgency, nocturia and enuresis, in a mammal comprising administering thereto an effective amount of one or more alkyne compounds according to claim 22.

Claim 36 (Currently amended) An alkyne compound of claim 26 22, wherein R⁴ is -H, methyl, ethyl or propyl, and R¹⁰ is -OH, N-pyrrolidinyl, amino ethoxy, C₁₋₄-alkyl amino ethoxy, or di (C₁₋₄-alkyl) amino ethoxy.

Claim 37 (New) An alkyne compound according to claim 22, wherein X is -CH₂-CH₂-O-.

Claim 38 **(New)** An alkyne compound according to claim 22, wherein R¹⁴ is C₁₋₄-alkyl, hydroxy, ω-hydroxy-C₁₋₃-alkyl, C₁₋₄-alkoxy and ω-(C₁₋₄-alkoxy)-C₁₋₃-alkyl.

Claim 39 **(New)** An alkyne compound according to claim 22, wherein L¹ is F, Cl, Br, I, OH, cyano, methyl, difluoromethyl, trifluoromethyl, ethyl, n-propyl, iso-propyl, methoxy, difluoromethoxy, trifluoromethoxy, ethoxy, n-propoxy or iso-propoxy, while any substituents L¹ occurring repeatedly may have identical or different meanings.

Claim 40 **(New)** An alkyne compound according to claim 22, selected from the following formulae:

- (1) [(R)-1-(2-{4-[5-(4-chloro-phenyl)-pyridin-2-ylethynyl]-phenoxy}-ethyl)-pyrrolidin-2-yl]-methanol;
- (2) methyl 5-[5-(4-chloro-phenyl)-pyridin-2-ylethynyl]-2-(2-pyrrolidin-1-yl-ethoxy)-benzoate;
- (3) 5-(4-chloro-phenyl)-2-[3-methyl-4-(2-pyrrolidin-1-yl-ethoxy)-phenylethynyl]-pyridine;
- (4) [(S)-1-(2-{4-[5-(4-chloro-phenyl)-pyridin-2-ylethynyl]-2-methyl-phenoxy}-ethyl)-pyrrolidin-2-yl]-methanol;
- (5) 5-[5-(4-chloro-phenyl)-pyridin-2-ylethynyl]-2-(2-pyrrolidin-1-yl-ethoxy)-phenylamine;
- (6) 2-[3-bromo-4-(2-pyrrolidin-1-yl-ethoxy)-phenylethynyl]-5-(4-chloro-phenyl)-pyridine;
- (7) 5-[5-(4-chloro-phenyl)-pyridin-2-ylethynyl]-N-methyl-2-(2-pyrrolidin-1-yl-ethoxy)-benzamide;
- (8) {4-[5-(4-chloro-phenyl)-pyridin-2-ylethynyl]-phenyl}-(2-pyrrolidin-1-yl-ethyl)-amine;
- (9) {5-[5-(4-chloro-phenyl)-pyridin-2-ylethynyl]-pyridin-2-yl}-methyl-(2-pyrrolidin-1-yl-ethyl)-amine;

- (10) tert-butyl [1-(2-{4-[5-(4-chloro-phenyl)-pyridin-2-yethynyl]-phenoxy}-ethyl)-pyrrolidin-3-yl]-carbaminate ;
- (11) 5-(4-chloro-phenyl)-2-[3-methoxy-4-(2-pyrrolidin-1-yl-ethoxy)-phenylethynyl]-pyridine;
- (12) 5-[5-(4-chloro-phenyl)-pyridin-2-yethynyl]-2-(2-pyrrolidin-1-yl-ethoxy)-benzaldehyde O-methyl-oxime;
- (13) 5-(4-chloro-phenyl)-2-[3-chloro-4-(2-pyrrolidin-1-yl-ethoxy)-phenylethynyl]-pyridine; and
- (14) (S)-1-(2-{4-[5-(4-chloro-phenyl)-pyridin-2-yethynyl]-2-methyl-phenoxy}-ethyl)-pyrrolidin-3-ol.